

Title (en)
FLUIDIC SYSTEM FOR TAKING IN, DISPENSING AND MOVING LIQUIDS, METHOD FOR PROCESSING FLUIDS IN A FLUIDIC SYSTEM

Title (de)
FLUIDISCHES SYSTEM ZUR AUFNAHME, ABGABE UND BEWEGUNG VON FLÜSSIGKEITEN, VERFAHREN ZUR VERARBEITUNG VON FLUIDEN IN EINEM FLUIDISCHEN SYSTEM

Title (fr)
SYSTÈME FLUIDIQUE POUR RECEVOIR, DÉLIVRER ET DÉPLACER DES FLUIDES, PROCÉDÉ DE TRAITEMENT DE FLUIDES DANS UN SYSTÈME FLUIDIQUE

Publication
EP 3793736 A1 20210324 (DE)

Application
EP 19726597 A 20190516

Priority
• DE 102018111822 A 20180516
• EP 2019062679 W 20190516

Abstract (en)
[origin: CA3100268A1] A fluidic system contains a chamber with movable elements. The chamber is connected to a duct. The system contains at least one structured component and at least one element affixed thereto and at least one fluidic interface which can be closed by means of a cap or valve. Liquids or gases can be moved via one or more ducts, and moreover can be dispensed from or taken into the system, by moving the movable element both into and out of the chamber. A liquids reagent reservoir can be connected to the pump chamber or the duct system for dilution purposes and also for supplying reaction components or scrubbing liquids. The system can be used for taking in, pumping, diluting, mixing and dispensing liquids or gases. There is provided an additional element (filters, membranes, frits or similar elements) or integrated reagents which can be arranged in the form of an array of identical or different reagents in order to permit separation, filtration, fractionation, enrichment of liquids and their constituents and also modification of liquids and/or their constituents and analysis of the contents of the liquids. The system can be operated manually or by means of simple devices or appliances.

IPC 8 full level
B01L 3/00 (2006.01)

CPC (source: EP RU US)
B01L 3/502715 (2013.01 - EP RU US); **B01L 3/502723** (2013.01 - US); **B01L 3/50273** (2013.01 - EP RU US); **B01L 3/523** (2013.01 - US); **B01L 3/527** (2013.01 - US); **B01L 3/502723** (2013.01 - EP); **B01L 3/52** (2013.01 - EP); **B01L 2200/0605** (2013.01 - EP US); **B01L 2300/0681** (2013.01 - EP US); **B01L 2300/0825** (2013.01 - EP US); **B01L 2400/0481** (2013.01 - EP US); **B01L 2400/0644** (2013.01 - EP US)

Citation (search report)
See references of WO 2019219844A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102018111822 A1 20191121; **DE 102018111822 B4 20211007**; BR 112020023193 A2 20210209; CA 3100268 A1 20191121; CA 3100268 C 20230307; CN 112423884 A 20210226; EP 3793736 A1 20210324; RU 2765214 C1 20220126; US 2021291175 A1 20210923; WO 2019219844 A1 20191121

DOCDB simple family (application)
DE 102018111822 A 20180516; BR 112020023193 A 20190516; CA 3100268 A 20190516; CN 201980047225 A 20190516; EP 19726597 A 20190516; EP 2019062679 W 20190516; RU 2020141361 A 20190516; US 201917055860 A 20190516